INTERNATIONAL SEARCH REPORT

International application No. PCT/US99/19028

A. CLASSIFICATION OF SUBJECT MATTER				
IPC(6) :G06F 15/00 US CL :345/327; 709/217, 218, 219; 348/906				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
U.S. : 345/327; 709/217, 218, 219; 348/906, 722, 7, 9				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No	
Y	US 5,659,350 A (HENDRICKS et al) 19 August 1997, see whole document.			
Y	US 5,583,937 A (ULLRICH et al) 10 December 1996, see whole document			
A,E	US 6,008,803 A (ROWE et al) 28 December 1999, see whole document.			
A,P	US 5,850,218 A (LAJOIE et al) 15 December 1998, see whole document.			
Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of ened documents *T* later document published after the international critic or process date and not in conflict with the application but cred to understand the principle or incorp unsertying the invention.				
"fi." ea	be of particular relevance. Ther document published on or after the international filing date.	"X" document of particular relevance, the		
cu	ecument which may throw doubts on priority claim(s) or which is led to establish the publication date of another citation or other ecial reason (as specified)	"Y" document of particular relevance; the considered to involve an inventor.		
O document referring to an oral disclosure, use, exhibition or other means		combined with one or more other and being obvious to a person skilled in	combined with one or more other anch documents, such combination being obvious to a person skilled in the art	
"P" document published prior to the international filing date but later than "g." document member of the same patent family the priority date claimed				
Date of the actual completion of the international search 13 JANUARY 2000 Date of mailing of the international search report 10 FEB 2000				
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